



ORDER

№ A 158

Sofia, 26.04.2024

Pursuant to Art. 10, para. 1, items 3 and 4 and Art. 28, para 1 and Art. 30, para 1 of the Law on National Accreditation of Conformity Assessment Bodies, items 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 310/3 ЛИ/ПА/РО/31.08.2023, assessment reports reg. № 310/3 ЛИ/6/В/08.03.2024, reg. № 310/3 ЛИ/9/В/15.04.2024 and statement of the Accreditation Commission reg. № 310/3 ЛИ/ПА/РО/11/В/22.04.2024, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

**of CERTMAT EOOD
Construction Testing Laboratory**

Management address: 1619 Sofia, 281 Tsar Boris III Blvd.
Laboratory address: 2344 Studena, Pernik Region, Studena Pit

To perform testing of:

Type of the scope: <i>flexible</i> *			
№	Name of the tested products	Type of test / characteristic	Test methods (standard / validated method)
1	2	3	4
1.	Rocky/Additional materials	1.1. Grain size distribution	БДС EN 933-1
		1.2. Fine fraction content	БДС EN 933-1
		1.3. Index of flat grains	БДС EN 933-3
		1.4. Grain density - apparent grain density; - dry grain density; - grain density in the water - saturated surface state.	БДС EN 1097-6, cl. 7, cl. 8 and cl. 9, Appendix A, B, F
		1.5. Water absorption	БДС EN 1097-6, cl. 7, cl. 8 and cl. 9, Appendix B, F, H
		1.6. Density in bulk and gaps	БДС EN 1097-3
		1.7. Coefficient of absorption of capillary water	БДС EN 1925, Amendment 1
		1.8. Percentage content - whole cracked grains; - crushed grains; - completely rounded grains.	БДС EN 933-5
		1.9. Grain-shape factor	БДС EN 933-4
		1.10. Magnesium sulfate test	БДС EN 1367-2
		1.11. Water content	БДС EN 1097-5
		1.12. Comparative density and water content.	БДС EN 13286-2, cl. 7.1, cl. 7.2, cl. 7.4, cl. 7.5

Type of the scope: <i>flexible</i> *			
№	Name of the tested products	Type of test / characteristic	Test methods (standard / validated method)
1	2	3	4
		Proctor's test	БДС 17146
		1.13. Resistance to fragmentation at static loading	БДС EN 206+2A2/NA Appendix NA.Q
		1.14. Resistance to freezing and thawing	БДС EN 1367-1
		1.15. Shell content	БДС EN 933-7
		1.16. Sand equivalent	БДС EN 933-8+A1
		1.17. Fine fraction evaluation. Methylene blue test	БДС EN 933-9
		1.18. California bearing ratio (CBR) Immediate wearability Linear swelling	БДС EN 13286-47
		1.19. Resistance to crushing (breakability) - Los Angeles method	БДС EN 1097-2
		1.20. Length of grains	БДС EN 13450/AC
		1.21. Adhesion between additives and bitumen	БДС EN 12697-11 БДС 11685
		1.22. Elastic modulus under circular plate loading. Deformation modules under circular plate loading. Ratio of deformation modules E2/E1 when loaded with a circular plate.	БДС 15130, Loading plate D=300 mm
2.	Mineral flour	2.1. Grain size distribution	БДС EN 933-1
		2.2. Particle density of fine aggregate. Pycnometer method	БДС EN 1097-7
		2.3. Water contents	БДС EN 1097-5
		2.4. Fine fraction evaluation. Methylene blue test	БДС EN 933-9
3.	Construction soils	3.1. Grain size distribution	БДС EN ISO 17892-4, Sieve method, БДС EN 933-1
		3.2. Plasticity rate -flow limit -drain limit	AASHTO T90-20, Appendix № 16 to Art. 160, item 3 of Ordinance № РД-02-20-2, AASHTO T89-13, Appendix № 15 to Art. 160, item 3 of Ordinance № РД-02-20-2, AASHTO T90-20 Appendix № 16 to Art. 160, item 3 of Ordinance № РД-02-20-2,
		3.3. Comparative density and water content. Proctor's test	БДС EN 13286-2, cl. 7.1, cl. 7.2, cl. 7.4, cl. 7.5 БДС 17146
		3.4. Water content	БДС EN ISO 17892-1
		3.5. Determination of particle density	БДС EN ISO 17892-3, Fluid pycnometer method
		3.6. Volume density. Density in dry condition	БДС EN ISO 17892-2, Linear method

Type of the scope: <i>flexible</i> *			
№	Name of the tested products	Type of test / characteristic	Test methods (standard / validated method)
1	2	3	4
		3.7. Bulk density of the frame by the substitute sand method. Stage of compactness	Appendix № 18 to Art. 168, item 1 of Ordinance № РД-02-20-2, SG № 79/2018
		3.8. Elastic modulus under circular plate loading. Deformation modules under circular plate loading. Ratio of deformation modules E2/E1 when loaded with a circular plate.	БДС 15130, Loading plate D=300 mm
		3.9. California bearing ratio (CBR) Immediate wearability Linear swelling	БДС EN 13286-47, cl. 7.1, cl. 7.2, cl. 7.4, cl. 7.5
4.	Asphalt mixtures	4.1. Bulk density of bituminous specimens	БДС EN 12697-6
		4.2. Maximum density of asphalt mixtures	БДС EN 12697-5
		4.3. Content of air pores (Vm)	БДС EN 12697-8
		4.4. Pores content - pores filled with adhesive (VFB); - pores in mineral aggregate (VMA).	БДС EN 12697-8
		4.5. Soluble binder content	БДС EN 12697-1, Extraction centrifuge method
		4.6. Distribution of the size of particles/granulometric composition	БДС EN 12697-2+A1
		4.7. Water sensitivity of bituminous specimens: - Index (ITSR)	БДС EN 12697-12
		4.8. Indirect-tension strength (ITS)	БДС EN 12697-23
		4.9. Resistance after Marshall	БДС EN 12697-34
		4.10. Conditional plasticity after Marshall	БДС EN 12697-34
		4.11. Dimensions of a bituminous specimen	БДС EN 12697-29
		4.12. Asphalt mixture temperature	БДС EN 12697-13
		4.13. Binder drainage	БДС EN 12697-18
5.	Asphalt pavements	5.1. Asphalt pavement thickness	БДС EN 12697-36, Destructive method
		5.2. Conditional comparative density Stage of compactness	БДС EN 12697-9*
		5.3. Bulk density of bituminous specimens (core)	БДС EN 12697-6
		5.4. Irregularities on the pavement surface - transversal regularity; - longitudinal regularity.	БДС EN 13036-7, БДС 17143

Type of the scope: <i>flexible</i> *			
№	Name of the tested products	Type of test / characteristic	Test methods (standard / validated method)
1	2	3	4
6.	Bitumens	6.1. Penetration	БДС EN 1426
		6.2. Softening point/temperature, Ring-and-Ball Method	БДС EN 1427
		6.3. Elastic recovery at 25°C	БДС EN 13398
		6.4. Density	БДС EN 15326+A1
7.	Bituminous emulsions	7.1. Visible properties	БДС EN 1425
		7.2. Content of recovered adhesive substance and oil distillate	БДС EN 1431
		7.3. Viscosity/escape time	БДС EN 12846-1
		7.4. Sieving remainder and storage stability	БДС EN 1429
		7.5. Decomposition rate. Mineral filler method	БДС EN 13075-1
		7.6. Recovered adhesive substance - penetration at 25°C; - softening point/temperature, Ring-and-Ball Method.	БДС EN 1426 БДС EN 1427
		7.7. Polarity of the particles	БДС EN 1430
		7.8. Resistance to mixing with cement	БДС EN 12848
8.	Solidified concrete and concrete mixtures	8.1. Subsidence of the concrete mixture	БДС EN 12350-2
		8.2. Density of the solidified concrete	БДС EN 12390-7
		8.3. Compressive strength	БДС EN 12390-3
9.	Floor coverings	9.1 Compressive strength	БДС EN 13892-2
		9.2 Flexural strength	БДС EN 13892-2
		9.3 Adhesive strength	БДС EN 13892-8
10.	Water proofing products (liquid application systems/sets sheet, articles) for: - Buildings; - Facilities: bridges, viaducts with concrete base	10.1 Capacity for bridging gaps	БДС EN 14224
		10.2 Water absorption	БДС EN 14223
		10.3 Adhesion under tensile load	БДС EN 13596
		10.4 Shear strength	БДС EN 13653

To perform sampling of:

Type of the scope: <i>Flexible</i> *		
№	Products	Sampling method (standardized / validated)
1	2	3
1.	Rocky/Additional materials	БДС EN 932-1
2.	Construction soils	БДС EN 932-1, БДС EN 13286-1
3.	Asphalt mixtures	БДС EN 12697-27, cl. 4.1, cl. 4.4, cl. 4.5
4.	Asphalt pavements	БДС EN 12697-27, cl. 4.7
5.	Solidified concrete and concrete mixtures	БДС EN 12350-1

Flexible scope: Implementing a new version of standards/documents or standards / documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.

Fixed scope references:

1. Ordinance № ПД-02-20-2 of 28.08.2018, on road design.
2. Ordinance № ПД-02-20-2 of 28.08.2018, on road design.
3. Ordinance № ПД-02-20-2 of 28.08.2018, on road design.

I ORDER

To issue the certificate of accreditation reg. № 3 ЛИ/26.04.2024, valid until 26.04.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of the CERTMAT EOOD, the head of the Construction Testing Laboratory at CERTMAT EOOD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the Construction Testing Laboratory at CERTMAT EOOD is obliged to return to EA BAS the originals of accreditation certificate reg. № 3 ЛИ/08.06.2023, valid until 30.04.2024 and an enclosure – EA BAS order reg. № A 232/08.06.2023, as an integral part of it.

This order shall be notified to the Construction Testing Laboratory at CERTMAT EOOD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

